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Pressure



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- Compact pressure switch for pneumatic applications
- 2-color, 4-digit alpha-numeric display for visual indication of operating status
- Simple pushbutton setup
- Easy installation using integrated mounting holes and accessories
- Flexible outputs available: dual PNP, dual NPN, analog / PNP

Compact pressure switch for applications in robotics and material handling



ifm's PQ Series pressure switches are designed for pneumatic applications in robotics and material handling. The switches precisely measure the full range of vacuum and pressure typical in these applications.

The PQ Series pressure switch family has been expanded to include versions with analog outputs, (i.e. part numbers PQ3809 and PQ3834).

The technology is based on a piezoresistive measuring element. The silicon measuring cell is unaffected by liquids (e.g. condensed water) and deposits that might occur in the system. The silicon measuring cell guarantees a high overload resistance as well as an accuracy of \pm 0.5%.

Application parameters are established using two pushbuttons. The two-color, four-digit display provides system pressure which can be seen from long distances.

Various mounting options



- Can be fixed to flat surfaces and profiles using the two M4 drill holes on the front.
- Can be fixed to a DIN rail using the robust DIN rail clip.
- Can be fixed to a pipe or air-duct plate.





Output	Measuring Range	Set Point Range	Reset Point Range	Fixed Analog Start Point	Fixed Analog End Point	Display Units Available	Port Size	Part No.	List Price (1-pc.)
2 x PNP, N.O./N.C.	-14.514.5 psi	-14.214.6 psi	-14.414.4 psi	-	-	bar, psi, kPa, inHg	G1/8 BSPP male	PQ7809	\$156.00
2 x PNP, N.O./N.C.	-14.5145 psi	-13145 psi	-14144 psi	_	_	bar, psi, kPa, inHg	G1/8 BSPP male	PQ7834	\$156.00
2 x NPN, N.O./N.C.	-14.514.5 psi	-14.214.6 psi	-14.414.4 psi	_	_	bar, psi, kPa, inHg	G1/8 BSPP male	PQ0809	\$156.00
2 x NPN, N.O./N.C.	-14.5145 psi	-13145 psi	-14144 psi	_	_	bar, psi, kPa, inHg	G1/8 BSPP male	PQ0834	\$156.00
420 mA and 1 x PNP, N.O./N.C.	-14.614.6 psi	-14.214.6 psi	-14.414.4 psi	-14.6 psi	14.6 psi	bar, psi, kPa, inHg	G1/8 BSPP male	PQ3809	\$169.00
420 mA and 1 x PNP, N.O./N.C.	-15145 psi	-13145 psi	-14144 psi	-15 psi	145 psi	bar, psi, kPa, inHg	G1/8 BSPP male	PQ3834	\$169.00

Required Accessories

Required Ac	cessories		Cordsets				
Туре	Description	Part No.	List Price (1-pc.)	Туре	Description	Part No.	List Price (1-pc.)
	1/8" NPT female adapter	U60102	\$9.00		M8 Pico DC (4-pin) 2 m, PUR cable	EVC150	\$15.00
0		000102	\$5100	()	M8 Pico DC (4-pin) 5 m, PUR cable	EVC151	\$18.00
8	6 mm Ø tube adapter	E30076	\$10.00		M8 Pico DC (4-pin) 2 m, PUR cable	EVC153	\$15.00
	8 mm Ø tube adapter	E30077	\$10.00	- Star	M8 Pico DC (4-pin) 5 m, PUR cable	EVC154	\$18.00
1100	DIN rail mounting bracket	E37340	\$9.00				

Can't find the right sensor for your application, call 800-441-8246 or visit www.ifm.com/us

Technical Specs

Operating voltage: Maximum load current: Current consumption; Switch point accuracy: Repeatability: Medium temperature: Wetted parts: Protection rating:

18...32 VDC 100 mA <50 mA $< \pm 0.5$ % of full range $< \pm 0.1$ % of full range 32...140 °F (0...60 °Č) Brass, FPM (Viton™), silicon (coated), PBT (Pocan) IP65



Reliable service center The ifm service center team provides

tech support, product quotes, delivery information and order placement.

- Place orders, tech support 800-441-8246
- Visit our product catalog www.ifm.com/us
- Geo Shop for products online Easy ordering via eShop



Complementary output and adjustable dials





Top five product features!

- Simple setup with mechanical adjustment dials that rotate to quickly establish setpoint and resetpoint
- 316 stainless steel process connection and strain gauge technology provide higher reliability than mechanical pressure switches
- Accuracy is consistent across the range reducing the number of ranges required.
- The switch's high accuracy and long-term stability insure the setpoint does not drift
- LEDs provide switching status and power indication

Mechanical adjustment dials provide simple setup



PK pressure switches feature mechanical adjustment dials that rotate to quickly establish the setpoint and resetpoint. The switch is adjustable without system pressure and supply voltage.

The PK pressure switch is an ideal alternative to mechanical piston pressure switches. The PK switch features a gastight measuring cell that reliably detects gas and liquid pressure. The switch withstands aggressive media and detects pressure ranges up to 5800 psi (400 bar).

The PK's compact design is ideal for space saving mounting. Quick electrical connection is made using an industry standard Micro DC connector.

Simple mounting is plug-and-play



Electronic PK pressure switch No moving parts reduces wear and prevents leaks.



Mechanical piston pressure switch Piston movement can wear the sealing ring resulting in pressure leaks.





Output	Measuring Range [psi]	Setpoint Range [psi]	Resetpoint Range [psi]	Overload Pressure [psi]	Port Size	Part No.	List Price (1-pc.)
2 x PNP, N.O. and N.C.	0145	7.5145	5.0142	362	1/4" NPT male	PK6224	\$151.00
2 x PNP, N.O. and N.C.	01450	751450	501420	2900	1/4" NPT male	PK6222	\$151.00
2 x PNP, N.O. and N.C.	05800	2905800	1755685	8700	1/4" NPT male	PK6220	\$151.00
2 x PNP, N.O. and N.C.	0145	7.5145	5.0142	362	G1/4 BSPP male	PK6524	\$151.00
2 x PNP, N.O. and N.C.	0363	18363	11.0355	870	G1/4 BSPP male	PK6523	\$151.00
2 x PNP, N.O. and N.C.	01450	751450	501450	2900	G1/4 BSPP male	PK6522	\$151.00
2 x PNP, N.O. and N.C.	03625	1813625	1093553	5800	G1/4 BSPP male	PK6521	\$151.00
2 x PNP, N.O. and N.C.	05800	29005800	1755685	8700	G1/4 BSPP male	PK6520	\$151.00

Optional Accessories

Туре	Description	Part No.	List Price (1-pc.)
	Protective cover	E30094	\$9.00
a	G1/4 BSPP female to 1/4" NPT male, 316 stainless steel	U25003	\$20.00
U	G1/4 BSPP female to 7/16" SAE male, 316 stainless steel	US0017	\$37.00

Cordsets			
Туре	Description	Part No.	List Price (1-pc.)
/	M12 Micro DC (4-pin) 2 m, PUR	EVC001	\$9.95
and and a second second	M12 Micro DC (4-pin) 5 m, PUR	EVC002	\$13.50
•	M12 Micro DC (4-pin) 10 m, PUR	EVC003	\$18.00
	M12 Micro DC (4-pin) 2 m, PUR	EVC004	\$9.95
	M12 Micro DC (4-pin) 5 m, PUR	EVC005	\$13.50
	M12 Micro DC (4-pin) 10 m, PUR	EVC006	\$18.00

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Technical Specs

9.6...32 VDC 2 x 250 mA <25 mA <2 V -13...176 °F (-25...80 °C) < ± 2.5% of full range < ± 0.5% of full range 316 stainless steel IP67





Dedicated sales engineers







- Solid state sensors are more reliable than mechanical switches
- Integrated built-in display eliminates the need for a reference gauge; values may be set in green or red providing at-a-glance status indication
- Simple pushbutton setup allows the switch to be adjusted in minutes using new scroll and enter buttons
- 2 large bright LEDs for output indication can be seen easily from all angles
- Stainless steel construction designed to last in harsh environments

New generation pressure switches



NEW! ifm has provided reliable pressure monitoring for pneumatic and hydraulic applications for more than 20 years.

ifm now introduces the next generation pressure sensor, the PN7 Series, with enhanced features that provide more flexibility in adapting the product to fit your pressure application.

ifm pressure switches are a solid state alternative to mechanical pressure switches. Because there are no moving parts to jam or break, ifm pressure switches eliminate the maintenance headaches of mechanical switches.

The PN7 family now incorporates the best combination of over pressure, burst pressure and long term stability for each measuring range. The technology allows for use in high pressure gas applications as well as liquid applications. Encased in a stainless steel housing, these switches can withstand extreme shock and vibration and provide high accuracy and reliability for most pressure applications.

Through innovative design technology and features that make the switch easy to implement, ifm once again, sets a new benchmark for price/performance with the new generation PN7 family of products.

Compact, reliable and easy to use!

2-color digital display is easier to see from a distance

Robust 316 stainless steel construction

Laser etched part numbers will not fade for future referencing

Sensor can be rotated 345° for optimum visibility after installation



Large bright LEDs can be seen from all angles indicate output status

- Simple pushbutton setup allows the sensor to be parameterized in less than 5 minutes with new scroll and enter buttons
- QR code for quick access to technical data and installation instructions
- Atmospheric reference is achieved via the electrical connection for high IP67 rating

Available with 5 different process connections, including 1/4" NPT male and female for direct installation. No extra fittings are required.



NEW



Product + accessory selector

Over Pressure / Burst Pressure (psi)	Part No. 1/4" NPT Female Port Size	Part No. 1/4" NPT Male Port Size	Part No. G1/4 BSPP Female Port Size	Part No. G1/4 BSPP Male Port Size	Part No. SAE 7/16-20 Female Port Size	List Price (1-pc.)
s · 2 x PNP / NPN · N.	O. / N.C.					
290 / 725	PN7299	PN7699	PN7099	PN7599	_	\$339.00
1087 / 2175	PN7294	PN7694	PN7094	PN7594	-	\$339.00
s • 2 x PNP / NPN • N.	.O. / N.C.					
145 / 450	PN7297	PN7697	PN7097	PN7597	_	\$339.00
290 / 725	PN7296	PN7696	PN7096	PN7596	-	\$339.00
1087 / 2175	PN7294	PN7694	PN7094	PN7594	-	\$339.00
2175 / 5075	PN7293	PN7693	PN7093	PN7593	-	\$339.00
4350 / 9400	PN7292	PN7692	PN7092	PN7592	PN7392	\$339.00
7250 / 15,950	PN7271	PN7671	PN7071	PN7571	-	\$339.00
11,580 / 24,650	PN7270	PN7670	PN7070	PN7570	PN7370	\$339.00
11,600 / 36,300	_	_	PN7160	PN7560	_	\$339.0
	Burst Pressure (psi) 5 • 2 × PNP / NPN • N. 290 / 725 1087 / 2175 5 • 2 × PNP / NPN • N. 145 / 450 290 / 725 1087 / 2175 2175 / 5075 4350 / 9400 7250 / 15,950 11,580 / 24,650	Burst Pressure (psi) 1/4" NPT Female Port Size 290 / 725 PN7299 1087 / 2175 PN7294 s • 2 x PNP / NPN • N.O. / N.C. PN7294 s • 2 x PNP / NPN • N.O. / N.C. PN7294 1087 / 2175 PN7297 290 / 725 PN7297 290 / 725 PN7296 1087 / 2175 PN7294 2175 / 5075 PN7293 4350 / 9400 PN7292 7250 / 15,950 PN7271 11,580 / 24,650 PN7270	Burst Pressure (psi) 1/4" NPT Female Port Size 1/4" NPT Male Port Size 290 / 725 PN7299 PN7699 1087 / 2175 PN7294 PN7694 s · 2 x PNP / NPN · N.O. / N.C. PN7697 PN7697 145 / 450 PN7297 PN7697 290 / 725 PN7296 PN7696 1087 / 2175 PN7293 PN7694 2175 / 5075 PN7293 PN7693 4350 / 9400 PN7292 PN7692 7250 / 15,950 PN7270 PN7671 11,580 / 24,650 PN7270 PN7670	Burst Pressure (psi) 1/4" NPT Female Port Size 1/4" NPT Male Port Size G1/4 BSPP Female Port Size 290 / 725 PN7299 PN7699 PN7099 1087 / 2175 PN7294 PN7694 PN7094 s · 2 x PNP / NPN · N.O. / N.C. PN7297 PN7697 PN7094 145 / 450 PN7297 PN7697 PN7097 290 / 725 PN7296 PN7696 PN7097 290 / 725 PN7296 PN7697 PN7097 290 / 725 PN7296 PN7696 PN7097 290 / 725 PN7296 PN7696 PN7096 1087 / 2175 PN7293 PN7693 PN7094 2175 / 5075 PN7293 PN7693 PN7093 4350 / 9400 PN7292 PN7692 PN7092 7250 / 15,950 PN7271 PN7671 PN7071 11,580 / 24,650 PN7270 PN7670 PN7070	Burst Pressure (psi) 1/4" NPT Female Port Size 1/4" NPT Male Port Size G1/4 BSPP Female Port Size G1/4 BSPP Male Port Size 290 / 725 PN7299 PN7699 PN7099 PN7599 1087 / 2175 PN7294 PN7694 PN7094 PN7594 s · 2 x PNP / NPN · N.O. / N.C. PN7594 PN7697 PN7094 PN7594 145 / 450 PN7297 PN7697 PN7097 PN7597 290 / 725 PN7296 PN7696 PN7097 PN7597 145 / 450 PN7297 PN7696 PN7096 PN7597 290 / 725 PN7296 PN7696 PN7096 PN7596 1087 / 2175 PN7297 PN7696 PN7096 PN7596 1087 / 2175 PN7293 PN7693 PN7093 PN7593 4350 / 9400 PN7292 PN7692 PN7092 PN7592 7250 / 15,950 PN7271 PN7671 PN7071 PN7571 11,580 / 24,650 PN7270 PN7670 PN7570 PN7570	Burst Pressure (psi) 1/4" NPT Female Port Size 1/4" NPT Male Port Size G1/4 BSPP Male Port Size SAE 7/16-20 Female Port Size 290 / 725 PN7299 PN7699 PN7099 PN7599 – 1087 / 2175 PN7294 PN7694 PN7094 PN7594 – 145 / 450 PN7297 PN7697 PN7097 PN7597 – 290 / 725 PN7296 PN7697 PN7097 PN7594 – 145 / 450 PN7297 PN7696 PN7096 PN7597 – 290 / 725 PN7296 PN7696 PN7097 PN7597 – 145 / 450 PN7297 PN7696 PN7096 PN7596 – 290 / 725 PN7296 PN7696 PN7096 PN7596 – 1087 / 2175 PN7293 PN7693 PN7093 PN7593 – 2175 / 5075 PN7293 PN7692 PN7092 PN7592 PN7392 4350 / 9400 PN7292 PN7691 PN7071 PN7571 – 7250 / 15,

tional Accessories

Туре	Description	Part No.	List Price (1-pc.)	Туре	Description	Part No.	
J.	G 1/4 BSPP male to 1/4" NPT male adapter	U20172	\$18.00		M12 Micro DC (4-pin) 2 m, PUR	EVC001	
State of the second sec	C 1/4 DCDD male to 7/16" CAE male adapter	1120474	¢27.00	and the second s	M12 Micro DC (4-pin) 5 m, PUR	EVC002	
	G 1/4 BSPP male to 7/16" SAE male adapter	U20171	\$27.00		M12 Micro DC (4-pin) 10 m, PUR	EVC003	
	Universal angle bracket	E30421	\$7.00		M12 Micro DC (4-pin) 2 m, PUR	EVC004	
		250121	\$7100		M12 Micro DC (4-pin) 5 m, PUR	EVC005	
de					M12 Micro DC (4-pin) 10 m, PUR	EVC006	
20	Conduit adapter	E30062	\$78.00				
T							

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Technical Specs

Protection rating:

18...30 VDC 150 mA per output -13...176 °F (-25...80 °C) $< \pm 0.5\%$ of full range 316 stainless steel, ceramic, Viton™ PN7x71, PN7x70, PN7160, PN7560: 630 stainless steel (1.4542) IP67

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Process Sensors				Industrial Networks		ID Systems	Machine Condition	Power Supplies	Wiring Technology
Pressure	Flow	Level	Temperature	AS-i network	Safety systems	RF identification systems	Diagnostic systems	Power supplies	Cordset solutions
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144 - 159	160 - 169	170 - 185	186 - 201	204 - 217	218 - 229	232 - 235	238 - 243	246 - 247	250 - 261





- Simple pushbutton setup allows the switch to be adjusted and mounted in less than 5 minutes
- Ceramic pressure sensor element is more reliable than mechanical switches
- Solid state relay output to switch loads up to 2.5 A
- Integrated built-in display eliminates the need for a reference gauge
- Stainless steel construction designed to last in harsh environments

Customer benefits!



are time-consuming to install

1. Mount the switch and connect conduit.



Mechanical pressure switches are not reliable and

2. Install reference gauge.

3. Apply system pressure.



4. Adjust setpoint and differential.



5. Make electrical connections.





1. Program the switch.

ifm pressure switches have no moving parts and can be installed in less than five minutes



2. Install the switch.



3. Make electrical connections.





Measuring Range	Display in Steps of	Overload Pressure	Display Units Available	Port Size	Part No.	List Price (1-pc.)
/acuum switches · Solic	l state relay · N.O. / N.O	-				
-3030 inHg	1 inHg	290 psi	bar, inHg, kPA	1/4" NPT female	PN4229	\$375.00
Pressure switches · Solie	d state relay · N.O. / N.	с.				
014.5 psi	0.1 psi	150 psi	mbar, kPa, psi	1/4" NPT female	PN4227	\$375.00
036.3 psi	0.1 psi	290 psi	bar, kPa, psi	1/4" NPT female	PN4226	\$375.00
0145 psi	1 psi	725 psi	bar, kPa, psi	1/4" NPT female	PN4224	\$375.00
0363 psi	1 psi	1450 psi	bar, MPa, psi	1/4" NPT female	PN4223	\$375.00
01450 psi	10 psi	4350 psi	bar, MPa, psi	1/4" NPT female	PN4222	\$375.00
03630 psi	10 psi	5800 psi	bar, MPa, psi	1/4" NPT female	PN4221	\$375.00
05800 psi	10 psi	8700 psi	bar, MPa, psi	1/4" NPT female	PN4220	\$375.00

Optional Accessories

Туре	Description	Part No.	List Price (1-pc.)
	Transparent protective cover	E30006	\$8.00
-	1/4" NPT male to 1/4" NPT male adapter	U30039	\$10.00
	Mounting clamp	E10077	\$9.00
	Conduit adapter	E30062	\$78.00

Cordsets

1/2" Micro AC (5-pin), 4 m, PUR E18026	\$32.00
1/2" Micro AC (5-pin), 4 m, PUR E18027	\$32.00

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Technical Specs

Supply voltage: Maximum load current: Current consumption: Voltage drop: Medium temperature range: -13...176 °F (-25...80 °C) Accuracy of switch point: Repeatability: Wetted parts: Protection rating:

90...250 VAC 2.5 A @ 68°F / 0.25 A @ 158 °F <10 mA <2 V < ± 1% of full range < ± 0.1% of full range 303 stainless steel, ceramic, Viton™ IP67 (363 psi / 25 bar ranges and lower: IP65)



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productivity and simplify installation.

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Pressure transmitters





Top five product features!

- Ceramic sensing element provides high burst / over pressure protection and exceptional reliability
- Robust stainless steel housing
- Repeatability 0.15% of full range
- Ideally suited for hydraulic applications and applications subjected to pressure spikes
- No compromise in performance at a great price

Compact size fits easily in applications with limited mounting space

The compact PX pressure transmitter provides an analog output for reliable pressure indication. Pressure transmitter output options include 4...20 mA and 0...10 V.

PX pressure transmitters are an ideal alternative to mechanical piston pressure transmitters. The transmitters feature a ceramic measuring cell that reliably detects line pressure and withstands aggressive media.



Capacitive sensing technology using ceramic measuring cells

The most important element of the capacitive sensing technology is the ceramic pressure measuring cell made of aluminum oxide (Al_2O_3) .

After assembly, the ceramic cell element resembles a plate capacitor with a reference electrode and measuring electrode placed 10 μ m apart. The capacitance is inversely proportional to the distance between the electrodes. If the distance changes by a small value because of an increase in pressure applied to the cell, the capacitance changes proportionately. This signal is then processed by a microprocessor.

Accurate and reliable







420 mA0100 inH ₂ O4015 inH ₂ O1/4" NPT malePX3228\$199.0420 mA05 psi145 psi1/4" NPT malePX3237\$199.0420 mA015 psi145 psi1/4" NPT malePX3237\$199.0420 mA020 psi145 psi1/4" NPT malePX3226\$199.0420 mA030 psi290 psi1/4" NPT malePX3226\$199.0420 mA030 psi290 psi1/4" NPT malePX3224\$199.0420 mA0100 psi1087 psi1/4" NPT malePX3224\$199.0420 mA0150 psi1087 psi1/4" NPT malePX3233\$199.0420 mA0150 psi1087 psi1/4" NPT malePX3234\$199.0420 mA0200 psi1087 psi1/4" NPT malePX3233\$199.0420 mA0200 psi2175 psi1/4" NPT malePX3223\$199.0420 mA0500 psi2175 psi1/4" NPT malePX3223\$199.0420 mA03000 psi4350 psi1/4" NPT malePX3220\$199.0420 mA03000 psi11600 psi1/4" NPT malePX3220\$199.0010 V30 psi1145 psi1/4" NPT malePX3220\$199.0010 V300 psi11600 psi1/4" NPT malePX3111\$199.0010 V0150 psi1145 psi1/4" NPT malePX9118\$199.0010 V0100 psi1087 psi1/4" NP	Output	Fixed Analog Range	Overpressure Limit	Port Size	Part No.	List Price (1-pc.)
420 mA05 psi145 psi1/4" NPT malePX3238\$199.0420 mA015 psi145 psi1/4" NPT malePX3227\$199.0420 mA020 psi145 psi1/4" NPT malePX3226\$199.0420 mA030 psi290 psi1/4" NPT malePX3224\$199.0420 mA010 psi1087 psi1/4" NPT malePX3224\$199.0420 mA0150 psi1087 psi1/4" NPT malePX3234\$199.0420 mA0150 psi1087 psi1/4" NPT malePX3234\$199.0420 mA0200 psi2175 psi1/4" NPT malePX3233\$199.0420 mA0200 psi2175 psi1/4" NPT malePX3233\$199.0420 mA0200 psi2175 psi1/4" NPT malePX3233\$199.0420 mA01000 psi4350 psi1/4" NPT malePX3222\$199.0420 mA01000 psi11,600 psi1/4" NPT malePX3220\$199.0420 mA01000 psi145 psi1/4" NPT malePX3213\$199.0010 V100 psi145 psi1/4" NPT malePX3214\$199.0010 V0100 inH ₂ O4015 inH ₂ O1/4" NPT malePX3111\$199.0010 V0100 psi145 psi1/4" NPT malePX9118\$199.0010 V0100 psi145 psi1/4" NPT malePX9118\$199.0010 V0100 psi1087 psi1/4" NPT m	420 mA	-14.50 psi	145 psi	1/4" NPT male	PX3229	\$199.00
420 mA015 psi145 psi1/4" NPT malePX3227\$199.0420 mA020 psi145 psi1/4" NPT malePX3237\$199.0420 mA030 psi290 psi1/4" NPT malePX3226\$199.0420 mA0100 psi1087 psi1/4" NPT malePX3224\$199.0420 mA0150 psi1087 psi1/4" NPT malePX3244\$199.0420 mA0200 psi1087 psi1/4" NPT malePX3234\$199.0420 mA0200 psi2175 psi1/4" NPT malePX3233\$199.0420 mA0200 psi2175 psi1/4" NPT malePX3223\$199.0420 mA0500 psi2175 psi1/4" NPT malePX3223\$199.0420 mA01000 psi4350 psi1/4" NPT malePX3223\$199.0420 mA01000 psi4350 psi1/4" NPT malePX3223\$199.0420 mA01000 psi11,600 psi1/4" NPT malePX3220\$199.0420 mA01000 psi145 psi1/4" NPT malePX3111\$199.0010 V0100 psi145 psi1/4" NPT malePX3111\$199.0010 V010 psi145 psi1/4" NPT malePX9118\$199.0010 V0100 psi145 psi1/4" NPT malePX9118\$199.0010 V0100 psi1087 psi1/4" NPT malePX9116\$199.0010 V0300 psi1087 psi1/4" NPT male	420 mA	0100 inH ₂ O	4015 inH₂O	1/4" NPT male	PX3228	\$199.00
420 mA020 psi145 psi1/4" NPT malePX3237\$199.0420 mA030 psi290 psi1/4" NPT malePX3226\$199.0420 mA0100 psi1087 psi1/4" NPT malePX3224\$199.0420 mA0150 psi1087 psi1/4" NPT malePX3234\$199.0420 mA0200 psi1087 psi1/4" NPT malePX3234\$199.0420 mA0200 psi2175 psi1/4" NPT malePX3233\$199.0420 mA0250 psi2175 psi1/4" NPT malePX3233\$199.0420 mA01000 psi4350 psi1/4" NPT malePX3223\$199.0420 mA01000 psi4350 psi1/4" NPT malePX3223\$199.0420 mA01000 psi145 psi1/4" NPT malePX3220\$199.0420 mA01000 psi11,600 psi1/4" NPT malePX3220\$199.0010 V-1.450 psi1145 psi1/4" NPT malePX3220\$199.0010 V0100 inH ₂ O4015 inH ₂ O1/4" NPT malePX9119\$199.0010 V0100 psi145 psi1/4" NPT malePX9116\$199.0010 V0100 psi1087 psi1/4" NPT malePX9117\$199.0010 V0100 psi1087 psi1/4" NPT malePX9116\$199.0010 V0100 psi1087 psi1/4" NPT malePX9114\$199.0010 V0100 psi1087 psi	420 mA	05 psi	145 psi	1/4" NPT male	PX3238	\$199.00
420 mA030 psi290 psi1/4" NPT malePX3226\$199.0420 mA0100 psi1087 psi1/4" NPT malePX3224\$199.0420 mA0150 psi1087 psi1/4" NPT malePX3234\$199.0420 mA0200 psi1087 psi1/4" NPT malePX3234\$199.0420 mA0250 psi2175 psi1/4" NPT malePX3233\$199.0420 mA0500 psi2175 psi1/4" NPT malePX3223\$199.0420 mA01000 psi4350 psi1/4" NPT malePX3223\$199.0420 mA01000 psi5800 psi1/4" NPT malePX3220\$199.0420 mA01000 psi5800 psi1/4" NPT malePX3220\$199.0420 mA03000 psi5800 psi1/4" NPT malePX3220\$199.0420 mA01000 psi145 psi1/4" NPT malePX3220\$199.0010 V-14.50 psi145 psi1/4" NPT malePX3210\$199.0010 V015 psi145 psi1/4" NPT malePX9118\$199.0010 V015 psi145 psi1/4" NPT malePX9114\$199.0010 V030 psi290 psi1/4" NPT malePX9114\$199.0010 V030 psi1087 psi1/4" NPT malePX9114\$199.0010 V0300 psi1087 psi1/4" NPT malePX9114\$199.0010 V0300 psi1087 psi1/4" NPT male<	420 mA	015 psi	145 psi	1/4" NPT male	PX3227	\$199.00
420 mA0100 psi1087 psi1/4" NPT malePX3224\$199.0420 mA0150 psi1087 psi1/4" NPT malePX3244\$199.0420 mA0200 psi1087 psi1/4" NPT malePX3234\$199.0420 mA0250 psi2175 psi1/4" NPT malePX3233\$199.0420 mA0500 psi2175 psi1/4" NPT malePX3233\$199.0420 mA0500 psi2175 psi1/4" NPT malePX3223\$199.0420 mA01000 psi4350 psi1/4" NPT malePX3222\$199.0420 mA03000 psi5800 psi1/4" NPT malePX3220\$199.0420 mA03000 psi11,600 psi1/4" NPT malePX3220\$199.0010 V-14.50 psi1145 psi1/4" NPT malePX3220\$199.0010 V0100 inH ₂ O4015 inH ₂ O1/4" NPT malePX9118\$199.0010 V0100 psi145 psi1/4" NPT malePX9117\$199.0010 V010 psi145 psi1/4" NPT malePX9116\$199.0010 V030 psi290 psi1/4" NPT malePX9114\$199.0010 V030 psi1087 psi1/4" NPT malePX9114\$199.0010 V0100 psi1087 psi1/4" NPT malePX9114\$199.0010 V0100 psi1087 psi1/4" NPT malePX9134\$199.0010 V03000 psi5800 psi1/	420 mA	020 psi	145 psi	1/4" NPT male	PX3237	\$199.00
420 mA0150 psi1087 psi1/4" NPT malePX3244\$199.0420 mA0200 psi1087 psi1/4" NPT malePX3233\$199.0420 mA0250 psi2175 psi1/4" NPT malePX3233\$199.0420 mA0500 psi2175 psi1/4" NPT malePX3223\$199.0420 mA01000 psi2175 psi1/4" NPT malePX3223\$199.0420 mA01000 psi4350 psi1/4" NPT malePX3222\$199.0420 mA03000 psi5800 psi1/4" NPT malePX3220\$199.0420 mA03000 psi11,600 psi1/4" NPT malePX3220\$199.0010 V-14.50 psi1145 psi1/4" NPT malePX3111\$199.0010 V-14.50 psi145 psi1/4" NPT malePX9119\$199.0010 V0100 inH204015 inH201/4" NPT malePX9118\$199.0010 V0100 psi145 psi1/4" NPT malePX9117\$199.0010 V0100 psi1087 psi1/4" NPT malePX9114\$199.0010 V0200 psi1087 psi1/4" NPT malePX9134\$199.0010 V01000 psi4350 psi1/4" NPT malePX9134\$199.0010 V01000 psi4350 psi1/4" NPT malePX9134\$199.0010 V01000 psi5800 psi1/4" NPT malePX9134\$199.0010 V03000 psi5800 psi<	420 mA	030 psi	290 psi	1/4" NPT male	PX3226	\$199.00
420 mA0200 psi1087 psi1/4" NPT malePX3234\$199.0420 mA0250 psi2175 psi1/4" NPT malePX3233\$199.0420 mA0500 psi2175 psi1/4" NPT malePX3223\$199.0420 mA01000 psi4350 psi1/4" NPT malePX3222\$199.0420 mA03000 psi5800 psi1/4" NPT malePX3220\$199.0420 mA03000 psi11,600 psi1/4" NPT malePX3220\$199.0420 mA0500 psi11,600 psi1/4" NPT malePX3220\$199.0010 V-14.50 psi145 psi1/4" NPT malePX3220\$199.0010 V-14.50 psi145 psi1/4" NPT malePX9119\$199.0010 V0100 inH204015 inH201/4" NPT malePX9117\$199.0010 V0100 psi1087 psi1/4" NPT malePX9116\$199.0010 V0200 psi1087 psi1/4" NPT malePX9114\$199.0010 V0100 psi1087 psi1/4" NPT malePX9114\$199.0010 V01000 psi1087 psi1/4" NPT malePX9134\$199.0010 V01000 psi1087 psi1/4" NPT malePX9114\$199.0010 V01000 psi5800 psi1/4" NPT malePX9112\$199.0010 V01000 psi5800 psi1/4" NPT malePX9112\$199.0010 V03000 psi5800 psi	420 mA	0100 psi	1087 psi	1/4" NPT male	PX3224	\$199.00
420 mA0250 psi2175 psi1/4" NPT malePX3233\$199.0420 mA0500 psi2175 psi1/4" NPT malePX3223\$199.0420 mA01000 psi4350 psi1/4" NPT malePX3222\$199.0420 mA03000 psi5800 psi1/4" NPT malePX3220\$199.0420 mA03000 psi11,600 psi1/4" NPT malePX3220\$199.0420 mA05000 psi11,600 psi1/4" NPT malePX3220\$199.0420 mA05000 psi1145 psi1/4" NPT malePX3220\$199.0010 V-14.50 psi145 psi1/4" NPT malePX9119\$199.0010 V0100 inH204015 inH201/4" NPT malePX9118\$199.0010 V0130 psi290 psi1/4" NPT malePX9117\$199.0010 V030 psi290 psi1/4" NPT malePX9116\$199.0010 V0200 psi1087 psi1/4" NPT malePX9114\$199.0010 V0200 psi1087 psi1/4" NPT malePX9134\$199.0010 V01000 psi4350 psi1/4" NPT malePX9134\$199.0010 V01000 psi5800 psi1/4" NPT malePX9134\$199.0010 V03000 psi5800 psi1/4" NPT malePX9134\$199.0010 V03000 psi5800 psi1/4" NPT malePX9112\$199.0010 V03000 psi5800 psi <t< td=""><td>420 mA</td><td>0150 psi</td><td>1087 psi</td><td>1/4" NPT male</td><td>PX3244</td><td>\$199.00</td></t<>	420 mA	0150 psi	1087 psi	1/4" NPT male	PX3244	\$199.00
420 mA0500 psi2175 psi1/4" NPT malePX3223\$199.0420 mA01000 psi4350 psi1/4" NPT malePX3222\$199.0420 mA03000 psi5800 psi1/4" NPT malePX3111\$199.0420 mA03000 psi11,600 psi1/4" NPT malePX3220\$199.0420 mA05000 psi11,600 psi1/4" NPT malePX3220\$199.0010 V-14.50 psi145 psi1/4" NPT malePX3111\$199.0010 V-14.50 psi145 psi1/4" NPT malePX9118\$199.0010 V0100 inH2O4015 inH2O1/4" NPT malePX9118\$199.0010 V015 psi145 psi1/4" NPT malePX9116\$199.0010 V030 psi290 psi1/4" NPT malePX9114\$199.0010 V030 psi1087 psi1/4" NPT malePX9114\$199.0010 V01000 psi1087 psi1/4" NPT malePX9134\$199.0010 V01000 psi4350 psi1/4" NPT malePX9134\$199.0010 V01000 psi4350 psi1/4" NPT malePX9134\$199.0010 V01000 psi5800 psi1/4" NPT malePX9134\$199.0010 V03000 psi5800 psi1/4" NPT malePX9112\$199.0	420 mA	0200 psi	1087 psi	1/4" NPT male	PX3234	\$199.00
420 mA01000 psi4350 psi1/4" NPT malePX3222\$199.0420 mA03000 psi5800 psi1/4" NPT malePX3111\$199.0420 mA05000 psi11,600 psi1/4" NPT malePX3220\$199.0010 V-14.50 psi145 psi1/4" NPT malePX3119\$199.0010 V-14.50 psi145 psi1/4" NPT malePX9119\$199.0010 V0100 inH2O4015 inH2O1/4" NPT malePX9118\$199.0010 V010 psi145 psi1/4" NPT malePX9117\$199.0010 V030 psi290 psi1/4" NPT malePX9116\$199.0010 V030 psi1087 psi1/4" NPT malePX9114\$199.0010 V01000 psi1087 psi1/4" NPT malePX9134\$199.0010 V01000 psi4350 psi1/4" NPT malePX9112\$199.0010 V01000 psi5800 psi1/4" NPT malePX9112\$199.0010 V01000 psi5800 psi1/4" NPT malePX9112\$199.0	420 mA	0250 psi	2175 psi	1/4" NPT male	PX3233	\$199.00
420 mA03000 psi5800 psi1/4" NPT malePX3111\$199.0420 mA05000 psi11,600 psi1/4" NPT malePX3220\$199.0010 V-14.50 psi145 psi1/4" NPT malePX9119\$199.0010 V0100 inH2O4015 inH2O1/4" NPT malePX9118\$199.0010 V0100 inH2O4015 inH2O1/4" NPT malePX9117\$199.0010 V015 psi145 psi1/4" NPT malePX9117\$199.0010 V030 psi290 psi1/4" NPT malePX9116\$199.0010 V0100 psi1087 psi1/4" NPT malePX9134\$199.0010 V0200 psi1087 psi1/4" NPT malePX9134\$199.0010 V01000 psi4350 psi1/4" NPT malePX9112\$199.0010 V03000 psi5800 psi1/4" NPT malePX9112\$199.0	420 mA	0500 psi	2175 psi	1/4" NPT male	PX3223	\$199.00
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010 V -14.50 psi 145 psi 1/4" NPT male PX9119 \$199.0 010 V 0100 inH2O 4015 inH2O 1/4" NPT male PX9118 \$199.0 010 V 015 psi 145 psi 1/4" NPT male PX9117 \$199.0 010 V 030 psi 290 psi 1/4" NPT male PX9116 \$199.0 010 V 030 psi 290 psi 1/4" NPT male PX9114 \$199.0 010 V 0100 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 0200 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 0200 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 0200 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 03000 psi 4350 psi 1/4" NPT male PX9112 \$199.0 010 V 03000 psi 5800 psi 1/4" NPT male PX9111 \$199.0	420 mA	03000 psi	5800 psi	1/4" NPT male	PX3111	\$199.00
010 V 0100 inH2O 4015 inH2O 1/4" NPT male PX9118 \$199.0 010 V 015 psi 145 psi 1/4" NPT male PX9117 \$199.0 010 V 030 psi 290 psi 1/4" NPT male PX9116 \$199.0 010 V 030 psi 290 psi 1/4" NPT male PX9116 \$199.0 010 V 0100 psi 1087 psi 1/4" NPT male PX9114 \$199.0 010 V 0200 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 0200 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 0200 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 03000 psi 4350 psi 1/4" NPT male PX9112 \$199.0 010 V 03000 psi 5800 psi 1/4" NPT male PX9111 \$199.0	420 mA	05000 psi	11,600 psi	1/4" NPT male	PX3220	\$199.00
010 V 015 psi 145 psi 1/4" NPT male PX9117 \$199.0 010 V 030 psi 290 psi 1/4" NPT male PX9116 \$199.0 010 V 0100 psi 1087 psi 1/4" NPT male PX9114 \$199.0 010 V 0200 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 0200 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 0200 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 03000 psi 4350 psi 1/4" NPT male PX9112 \$199.0 010 V 03000 psi 5800 psi 1/4" NPT male PX9111 \$199.0	010 V	-14.50 psi	145 psi	1/4" NPT male	PX9119	\$199.00
010 V 030 psi 290 psi 1/4" NPT male PX9116 \$199.0 010 V 0100 psi 1087 psi 1/4" NPT male PX9114 \$199.0 010 V 0200 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 0200 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 01000 psi 4350 psi 1/4" NPT male PX9112 \$199.0 010 V 03000 psi 5800 psi 1/4" NPT male PX9111 \$199.0	010 V	0100 inH ₂ O	4015 inH₂O	1/4" NPT male	PX9118	\$199.00
010 V 0100 psi 1087 psi 1/4" NPT male PX9114 \$199.0 010 V 0200 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 01000 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 01000 psi 4350 psi 1/4" NPT male PX9112 \$199.0 010 V 03000 psi 5800 psi 1/4" NPT male PX9111 \$199.0	010 V	015 psi	145 psi	1/4" NPT male	PX9117	\$199.00
010 V 0200 psi 1087 psi 1/4" NPT male PX9134 \$199.0 010 V 01000 psi 4350 psi 1/4" NPT male PX9112 \$199.0 010 V 03000 psi 5800 psi 1/4" NPT male PX9112 \$199.0	010 V	030 psi	290 psi	1/4" NPT male	PX9116	\$199.00
010 V 01000 psi 4350 psi 1/4" NPT male PX9112 \$199.0 010 V 03000 psi 5800 psi 1/4" NPT male PX9111 \$199.0	010 V	0100 psi	1087 psi	1/4" NPT male	PX9114	\$199.00
010 V 03000 psi 5800 psi 1/4" NPT male PX9111 \$199.0	010 V	0200 psi	1087 psi	1/4" NPT male	PX9134	\$199.00
	010 V	01000 psi	4350 psi	1/4" NPT male	PX9112	\$199.00
010 V 05000 psi 11,600 psi 1/4" NPT male PX9110 \$199.0	010 V	03000 psi	5800 psi	1/4" NPT male	PX9111	\$199.00
	010 V	05000 psi	11,600 psi	1/4" NPT male	PX9110	\$199.00

Optional Accessories

Cordsets

Туре	Description	Part No.	List Price (1-pc.)	Туре	Description	Part No.	List Price (1-pc.)
					M12 Micro DC (4-pin) 2 m, PUR	EVC001	\$9.95
Mounting clamp	Mounting clamp	E10077	\$9.00		M12 Micro DC (4-pin) 5 m, PUR	EVC002	\$13.50
00				N	M12 Micro DC (4-pin) 10 m, PUR	EVC003	\$18.00
					M12 Micro DC (4-pin) 2 m, PUR	EVC004	\$9.95
Can't	t find the right sensor for your a			M12 Micro DC (4-pin) 5 m, PUR	EVC005	\$13.50	
	t find the right sensor for your ap	ppilcation,					*** **

call 800-441-8246 or visit www.ifm.com/us

Technical Specs

 PX3: 9.6...32 VDC; PX9: 16...32 VDC

 [(supply voltage - 9.6) x 50] Ω; 720 Ω at 24 VDC

 2000 Ω

 -13...194 °F (-25...90 °C)

 < ± 0.75% of full range</td>

 < ± 0.15% of full range</td>

 303 stainless steel, ceramic, Viton™

 IP68 / IP69K (363 psi / 25 bar ranges and lower: IP65)

Simple and comprehensive website Data sheets, application examples,

M12 Micro DC (4-pin) 10 m, PUR

Data sheets, application examples, software downloads, virtual product demos... just one click away.

EVC006

\$18.00

- Place orders, tech support 800-441-8246
- Visit our product catalog www.ifm.com/us
- Ger Shop for products online Easy ordering via eShop







- Simple pushbutton setup allows the sensor to be configured in less than 5 minutes
- Ceramic pressure sensor element is more reliable than mechanical switches
- Each transmitter has multiple outputs including scaleable analog for flexibility
- Integrated 4-digit display eliminates the need for a reference gauge
- Stainless steel construction is designed to last in harsh environments

PN Series: A switch / transmitter with numeric display



ifm offers the PN Series of pressure and vacuum transmitters for hydraulic and pneumatic applications. Simple pushbutton setup allows the sensor to be parameterized and mounted in less than 5 minutes.

The transmitter's numeric display provides an accurate readout of system pressure and switch setpoints. Vacuum transmitters provide an accurate readout of increases and decreases in vacuum systems. Stainless steel construction enables the sensor to last in harsh environments.

- Ceramic pressure sensor element is more reliable than mechanical switches.
- Integrated built-in display eliminates the need for a reference gauge.



4-digit display Simple setup / analog teach function

Stainless steel robust housing is completely sealed

Adapter system available for various applications



The PN pressure sensor monitors line pressure in a pipe and provides 4-digit numeric indication.





Measuring Range	Display in steps of	Scaleable Analog Start Point	Scaleable Analog End Point	Overload Protection	Display Units Available	Part No. 1/4" NPT Female Port Size	Part No. G1/4 BSPP Female Port Size	List Price (1-pc.)
/acuum transmitt	ers · 4-20 m	A / 0-10 V and PNI	P / NPN or 2 x PNP /	NPN · N.O. / I	N.C.			
-29.429.5 inHg	0.1 inHg	-29.414.8 inHg	-14.629.5 inHg	290 psi	mbar, psi, kPa, inHg, inH₂O	PN2209	PN2009	\$465.00
-14.5145.0 psi	0.2 psi	-14.649.4 psi	25.4145.0 psi	1087 psi	bar, psi, kPa	PN2224	PN2024	\$465.00
-14.5362.5 psi	0.5 psi	-14.5145.0 psi	76.0362.5 psi	1450 psi	bar, psi, MPa	PN2223	PN2023	\$465.00
Pressure transmitt	ters · 4-20 m	A / 0-10 V and PN	P / NPN or 2 x PNP /	NPN · N.O. /	N.C.			
-5100.4 inH ₂ O	$0.2 \text{ in}H_2O$	-540.2 inH ₂ O	20.2100.4 inH ₂ O	4000 inH ₂ O	mbar, inH2O, kPa, mmWS	PN2228	PN2028	\$465.00
-0.7414.50 psi	0.02 psi	-0.745.80 psi	3.6414.50 psi	145 psi	mbar, psi, kPa, inH₂O	PN2227	PN2027	\$465.00
-1.4536.25 psi	0.05 psi	-1.8014.50 psi	7.2536.25 psi	290 psi	bar, psi, kPa	PN2226	PN2026	\$465.00
-14.5145.0 psi	0.2 psi	-14.649.4 psi	25.4145.0 psi	1087 psi	bar, psi, kPa	PN2224	PN2024	\$465.00
-14.5362.5 psi	0.5 psi	-14.5145.0 psi	76.0362.5 psi	1450 psi	bar, psi, MPa	PN2223	PN2023	\$465.00
01450 psi	2 psi	0580 psi	3641450 psi	4350 psi	bar, psi, MPa	PN2222	PN2022	\$465.00
03625 psi	5 psi	01450 psi	9053625 psi	5800 psi	bar, psi, MPa	PN2221	PN2021	\$465.00
05800 psi	10 psi	02320 psi	14505800 psi	8700 psi	bar, psi, MPa	PN2220	PN2020	\$465.0

Optional Accessories

Туре	Description	Part No.	List Price (1-pc.)
	Transparent protective cover	E30006	\$8.00
(書)	G 1/4 BSPP male to 1/4" NPT male adapter	U20172	\$18.00
	G 1/4 BSPP male to 7/16" SAE male adapter	U20171	\$27.00
	1/4" NPT male to 1/4" NPT male adapter	U30039	\$10.00
	Mounting clamp	E10077	\$9.00
	Conduit adapter	E30062	\$78.00

Cordsets

Туре	Description	Part No.	List Price (1-pc.)
	M12 Micro DC (4-pin) 2 m, PUR	EVC001	\$9.95
05	M12 Micro DC (4-pin) 5 m, PUR	EVC002	\$13.50
	M12 Micro DC (4-pin) 10 m, PUR	EVC003	\$18.00
	M12 Micro DC (4-pin) 2 m, PUR	EVC004	\$9.95
O'ALL	M12 Micro DC (4-pin) 5 m, PUR	EVC005	\$13.50
	M12 Micro DC (4-pin) 10 m, PUR	EVC006	\$18.00

Can't find the right sensor for your application, call 800-441-8246 or visit www.ifm.com/us

Technical Specs

Supply voltage: Maximum load current: Medium temperature range: -13...176 °F (-25...80 °C) Accuracy of switch point: Repeatability: Wetted parts: Analog scaling turndown: Protection rating:

20...30 VDC 2 x 250 mA $< \pm 0.5\%$ of full range < ± 0.1% of full range 303 stainless steel, ceramic, Viton™ 4:1 IP67 (363 psi / 25 bar ranges and lower: IP65)



The ifm service center team provides tech support, product quotes, delivery information and order placement.

Reliable service center

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Pressure ranges -14.5...8700 psi including -2...40 inH₂O (new range)



Top five product features!

- 3-in-1 unit: Transmitter and switch with the advantages of a gauge display
- Gauge display indicates the current operating pressure relative to the overall range
- Pointer does not require damping liquid and is driven by an integrated stepper motor
- Transmitter can be configured in less than 5 minutes using two optical pushbuttons
- Display can be rotated 350 degrees for optimal visibility





ACK.								
Measuring Range	Extended Display Range	Overload Pressure	Scaleable Analog Start Point	Scaleable Analog End Point	Setpoint Range	Port Size	Part No.	List Price (1-pc.)
Vacuum transmitt	ters · 4-20 mA and Pl	NP / NPN · N.O. /	N.C.					
-14.514.5 psi	23.2 psi	435 psi	-14.515.9 psi	-7.223.2 psi	-14.423.2 psi	G 1/2 BSPP male	PG2409	\$419.00
-14.558 psi	93 psi	435 psi	-14.578.3 psi	092.8 psi	-14.292.5 psi	G 1/2 BSPP male	PG2455	\$419.00
-14.4145 psi	232 psi	725 psi	-14.4196 psi	22232 psi	-14232 psi	G 1/2 BSPP male	PG2454	\$419.00
-14.5363 psi	580 psi	1450 psi	-14.5490 psi	76580 psi	-13580 psi	G 1/2 BSPP male	PG2453	\$419.00
Pressure transmit	ters · 4-20 mA and P	NP / NPN · N.O. /	/ N.C.					
-240 inH ₂ O	64 inH₂O	1606 inH ₂ O	-254 inH ₂ O	864 inH₂O	-1.864 inH ₂ O	G 1/2 BSPP male	PG2489	\$419.00
-5100 inH ₂ O	160 inH₂O	4015 inH ₂ O	-5135 inH₂O	20160 inH₂O	-4.6160 inH ₂ O	G 1/2 BSPP male	PG2458	\$419.00
-0.714.5 psi	23 psi	145 psi	-0.719.6 psi	2.923 psi	-0.6623 psi	G 1/2 BSPP male	PG2457	\$419.00
-1.836 psi	58 psi	290 psi	-1.848.6 psi	7.658 psi	-1.6558 psi	G 1/2 BSPP male	PG2456	\$419.00
-14.558 psi	93 psi	435 psi	-14.578.3 psi	092.8 psi	-14.292.5 psi	G 1/2 BSPP male	PG2455	\$419.00
-14.4145 psi	232 psi	725 psi	-14.4196 psi	22232 psi	-14232 psi	G 1/2 BSPP male	PG2454	\$419.00
-14.5363 psi	580 psi	1450 psi	-14.5490 psi	76580 psi	-13580 psi	G 1/2 BSPP male	PG2453	\$419.00
01449 psi	2322 psi	4350 psi	01959 psi	3632322 psi	62322 psi	G 1/2 BSPP male	PG2452	\$419.00
03625 psi	5800 psi	8700 psi	05075 psi	7255800 psi	155800 psi	G 1/2 BSPP male	PG2451	\$419.00
05800 psi	8700 psi	11,600 psi	07250 psi	14508700 psi	308700 psi	G 1/2 BSPP male	PG2450	\$419.00

Required Accessories

Cordsets

Туре	Description	Part No.	List Price (1-pc.)	Туре	Description	Part No.	List Price (1-pc.)
(774)	G 1/2 BSPP female to				M12 Micro DC (4-pin) 2 m, PUR	EVC001	\$9.95
100	1/2" NPT male adapter	UP0021	\$38.00	North	M12 Micro DC (4-pin) 5 m, PUR	EVC002	\$13.50
w .					M12 Micro DC (4-pin) 10 m, PUR	EVC003	\$18.00
Technical Specs					M12 Micro DC (4-pin) 2 m, PUR	EVC004	\$9.95
Operating voltage: Maximum load curre	1832 VDC nt: 250 mA				M12 Micro DC (4-pin) 5 m, PUR	EVC005	\$13.50

Switchpoint a extended dis	accuracy: accuracy in	<± 0.6%				M12 Micro	o DC (4-pin) 10 n	n, PUR EVCC	006 \$18.00
Repeatability Medium tem Wetted parts Analog scalir Protection Ra	perature: : ig turndown:	<± 0.1% -13176 °F (-25. 316L stainless ste 4:1 IP67 / IP69K		(Viton™)			ifm's your	dicated sales experienced sales er applications and pro challenges.	igineers understand
								Visit our pr www.ifm.co	oduct catalog
Process Sensors				Industrial Networks		ID Systems	Machine Condition	Power Supplies	Wiring Technology
Pressure	Flow	Level	Temperature	AS-i network	Safety systems	RF identification systems	Diagnostic systems	Power supplies	Cordset solutions
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Pressure transmitters

Analog output submersible for level applications



Submersible transmitter for tank level applications up to 400 inH₂O



Top five product features!

- Pressure compensation via internally vented cable
- 2-wire connection technology with 4...20 mA analog output
- Stainless steel housing rated IP68 for durability and long-term immersion
- Models available with measuring ranges of 100, 240 and 400 inH₂O
- Good overall accuracy and long-term stability

Submersible pressure transmitter for liquid level applications

ifm's PS3 Series submersible pressure transmitters indicate liquid level measurement in tanks, containers, sumps, wells and river water.

The two-wire, stainless steel transmitter is inserted directly into the medium and provides a 4...20 mA analog output signal. Its watertight, vented polyurethane cable withstands over 220 pounds of strain.

The transmitter measures liquid level through pressure sensing technology. The weight of the liquid creates pressure on the transmitter's measuring element. As the liquid level changes, the output changes. The transmitter's accuracy of 0.5% of full scale and repeatability of 0.1% contribute to the operational reliability of the transmitter.

Models are available with measuring ranges of 100 in $H_2O,\,240$ in H_2O and 400 in H_2O with a variety of cable lengths.

The combination of analog output signal, two-wire technology and various mounting accessories allow easy integration into existing applications.



Level measurement in a water treatment plant



Product + accessory selector

Fixed Output			Connection	Operating Voltage	Part No.	List Price (1-pc.)
420 mA	0100 inH ₂ O	803 inH ₂ O	PUR cable 5 m	1030 VDC	PS3208	\$549.00
420 mA	0240 inH ₂ O	1606 inH ₂ O	PUR cable 10 m	1030 VDC	PS3407	\$599.00
420 mA	0240 inH ₂ O	1606 inH2O	PUR cable 15 m	1030 VDC	PS3427	\$619.00
420 mA	0240 inH ₂ O	1606 inH2O	PUR cable 30 m	1030 VDC	PS3607	\$659.00
420 mA	0400 inH ₂ O	2007 inH ₂ O	PUR cable 15 m	1030 VDC	PS3417	\$619.00
420 mA	0400 inH ₂ O	2007 inH ₂ O	PUR cable 30 m	1030 VDC	PS3617	\$659.00

Optional Accessories

Туре	Description	Part No.	List Price (1-pc.)	
	Junction box with ventilation	E30401	\$99.00	
Î	Filter element to protect vent tube in cable	E30400	\$11.00	
a de la compañía de l	Cable clamp	E30399	\$29.00	
	Additional weight to stabilize transmitter	E30402	\$63.00	

(►)

Can't find the right sensor for your application, call 800-441-8246 or visit www.ifm.com/us

Technical Specs

Maximum load: Medium temperature range: 14...122 °F (-10...50 °C) Accuracy: Repeatability: Wetted parts: Protection rating:

[(supply voltage - 10) x 50] $\Omega;$ 700 Ω at 24 VDC <± 0.5% of full range <± 0.1% of full range 316 stainless steel IP68



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Process Sensors			Industrial Networks		ID Systems	Machine Condition	Power Supplies	Wiring Technology		
	Pressure	Flow	Level	Temperature	AS-i network	Safety systems	RF identification systems	Diagnostic systems	Power supplies	Cordset solutions
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